

LOW LATENCY VIDEO DECODER WITH HIGH-QUALITY,
VARIABLE SCALING AND MINIMAL FRAME BUFFER MEMORY

ABSTRACT OF THE DISCLOSURE

Loss of decoding time prior to the vertical synchronization signal when motion video is arbitrarily scaled and positioned by placing the frame switch point at the completion of frame
5 decoding and synchronizing the bottom border of the scaled image therewith while maintaining low latency of decoded data. High latency operation is provided only when necessitated by minimal spill buffer capacity and in combination with fractional image
10 size reduction in the decoding path in order to maintain image resolution without requiring additional memory.